

10 DRUG ANALYSIS SECTION	Page 1 of 1
Division of Forensic Science CONTROLLED SUBSTANCES TRAINING MANUAL	Amendment Designator:
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<p style="text-align: center;">10 DRUG ANALYSIS SECTION</p> <p>10.1 Introduction</p> <p>10.1.1 This phase of the program will require more time than the previous section. During this block of instruction the trainee must become thoroughly familiar with all of the basic methods available for drug analysis and their applications.</p> <p>10.1.2 At the end of this phase the trainee must not only be competent with these methods of analysis, but also be able to anticipate the reactions of the basic drug groups (narcotics, amphetamines, etc.) to each method. They will also be expected to know the theory of operation of the instruments used, and be able to perform any related routine maintenance on the simpler devices. It is expected that the chemical structures of any drugs and reagents be known and understood.</p> <p>10.1.3 Mini-mock trials and question/answer sessions should be done throughout this period. The trainee will undoubtedly benefit from verbalizing at the end of each section.</p> <p>10.1.4 This phase will include Sections 4 and 10-20 of this manual and culminate with the formal mock trial and technical session.</p> <p>10.2 Unknown Samples</p> <p>10.2.1 A program of graduated training samples are to be interspersed throughout the following sections.</p> <p>10.2.1.1 Easily identifiable tablets and capsules will be given at first. The sets of unknowns will become more difficult with successive samples.</p> <p>10.2.1.2 The TC should prepare or direct the preparation of the samples.</p> <p>10.2.1.3 The final sets of unknowns which will be used for the final mock trial will be prepared by the TC and approved by the Section Chief.</p> <p>10.2.1.4 The actual number of training samples submitted to the trainee is left to the determination of the TC.</p> <p>10.2.2 The trainee should receive unknowns which will be presented exactly as if they were real cases. To the extent possible, all of the related paperwork, security, analyses, and report writing will be handled in the same way as an actual submission. Items of paraphernalia should be included from time to time in the samples.</p> <p>10.2.3 After the chemist has submitted the report for each set of unknowns, the TC must review all of the work with the trainee, including any notes, instrumental data, results obtained and report wording. The evidence itself should be checked for proper labeling and handling.</p> <p style="text-align: right;">♦ End</p>	